

Screen 1

You are an employer and you are creating a program and the application form. 1. Use the POST method to correctly store the different types of questions we have (Paragraph, YesNo, Dropdown, MultipleChoice, Date, Number).

Solution

The interface below shows the endpoint that would be use used to submit question structures:

The screenshot displays a REST client interface with the following details:

- Curl:** A terminal window showing the curl command used to send a POST request to `https://localhost:7180/api/questions` with a JSON body containing question details.
- Request URL:** `https://localhost:7180/api/questions`
- Server response:** A section with tabs for 'Code' and 'Details'. The 'Code' tab shows a 201 status code, and the 'Details' tab shows the response body.
- Response body:** A JSON object representing a created question, including fields like 'id', 'paragraph', 'yesNo', 'dropdown', 'multipleChoice', 'date', 'number', and 'questionType'.
- Response headers:** A list of headers including 'content-type: application/json; charset=utf-8', 'date', 'location', and 'server'.
- Responses:** A table at the bottom showing a single response with a 200 status code and a 'Success' description.

2. Use the PUT method if the user wants to edit the question after creating the application.

Solution

Find the output created by the PUT method

Curl

```
curl -X 'PUT' \
  'https://localhost:7180/api/questions/1a68b971-a250-4db8-abd6-b96535adcb5d' \
  -H 'accept: text/plain' \
  -H 'Content-Type: application/json' \
  -d '{
    "id": "1a68b971-a250-4db8-abd6-b96535adcb5d",
    "paragraph": "Sample Question for Yes or No type of question",
    "yesNo": true,
    "dropdown": false,
    "multipleChoice": false,
    "date": "2024-06-19T00:00:00Z",
    "number": 2
  }'
```

Request URL

https://localhost:7180/api/questions/1a68b971-a250-4db8-abd6-b96535adcb5d

Server response

Code Details

200

Response body

```
{
  "id": "1a68b971-a250-4db8-abd6-b96535adcb5d",
  "paragraph": "Sample Question for Yes or No type of question",
  "yesNo": true,
  "dropdown": false,
  "multipleChoice": false,
  "date": "2024-06-19T00:00:00Z",
  "number": 2,
  "questionType": "YesNo"
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 19 Jun 2024 02:40:49 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

Screen 2

Candidate applying for the program.

1. You should provide a GET endpoint for the front-end team to render the questions based on the question type.

Solution:

Please find the output of the endpoint for rendering questions based on type:

Curl

```
curl -X 'GET' \
  'https://localhost:7180/api/questions/search/YesNo' \
  -H 'accept: text/plain'
```

Request URL

https://localhost:7180/api/questions/search/YesNo

Server response

Code Details

200

Response body

```
{
  "id": "1a68b971-a250-4db8-abd6-b96535adcb5d",
  "paragraph": "Sample Question for Yes or No type of question",
  "yesNo": true,
  "dropDown": false,
  "multipleChoice": false,
  "date": "2024-06-19T00:00:00Z",
  "number": 2,
  "questionType": "YesNo"
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 19 Jun 2024 02:47:15 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	SUCCESS	No links

Media type

text/plain

Controls Accept header:

Evamnia Value | Schema

2. Provide a POST endpoint for the front-end team with the payload structure so that once the candidate submits the application, you will receive the data.

Solution:

Please find the output of the endpoint for receiving candidates' applications:

Curl

```
curl -X 'POST' \
  'https://localhost:7180/api/candidates' \
  -H 'accept: text/plain' \
  -H 'content-type: application/json' \
  -d '{
    "firstName": "John",
    "lastName": "Doe",
    "email": "testemail@gmail.com",
    "phone": "199988877",
    "nationality": "USA",
    "currentResidence": "Caliphonia",
    "idNumber": "676555",
    "dateOfBirth": "2024-06-19T03:50:07.107Z"
  }'
```

Request URL

https://localhost:7180/api/candidates

Server response

Code Details

201

Undocumented

Response body

```
{
  "id": "6aebbf4f-47dc-48e9-aa3e-6d4660e2b9f8",
  "firstName": "John",
  "lastName": "Doe",
  "email": "testemail@gmail.com",
  "phone": "199988877",
  "nationality": "USA",
  "currentResidence": "Caliphonia",
  "idNumber": "676555",
  "dateOfBirth": "2024-06-19T03:50:07.107Z",
  "category": "Basic"
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 19 Jun 2024 03:51:34 GMT
location: https://localhost:7180/api/candidates/6aebbf4f-47dc-48e9-aa3e-6d4660e2b9f8
server: Kestrel
```

Responses

Code	Description	Links
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The implementation can be expanded later to contain questions for the candidates. I also have done a better job under a relaxed mind.

Thank you for the opportunity